

IVANOV, M.A., inzh.; LETKOV, N.L., inzh.; PARGIN, D.P., kand. tekhn.
nauk [deceased]; OKHRIMENKO, V.V., inzh.

Heat control technique using a thermocouple. Vest. elektroprom
34 no.6:57-58 Je '63. (MIRA 16:7)

(Hydraulic turbines) (Temperature—measurement)
(Thermocouples)

SEVAST'YANOV, V.I., glav. red.; KUZNETSOV, A.Ya., zam. glav. red.;
MIKHAYLOV, A.V., doktor tekhn. nauk, zam. glav. red.; ABRAMOV,
Yu.S., red.; IVANOV, M.A., red.; PETROV, G.D., red.; RAPOPORT,
Ya.D., red.

[Volga Hydroelectric Power Station (22d Congress of the CPSU);
album of drawings] Volzhskaya gidroelektrostantsiya imeni
XXII s"ezda KPSS; al'bom chertezhei. Moskva, Gosenergoizdat.
Pt.1. [Basic structures] Osnovnye sooruzheniia. 1962. 62 p.
(MIRA 15:5)

1. Moscow. Vsesoyuznyy proektno-izyskatel'skiy i nauchno-
issledovatel'skiy institut "Gidroproyekt" imeni S.Ya.Zhuk.
(Volga Hydroelectric Power Station (22d Congress of the CPSU)—
Design and construction)

KHASKHACHIKH, L.P.; SOKOLOV, B.A.; GENKIN, Ye.M.; SEVAST'YANOV,
V.I., glav. red.; KUZNETSOV, A.Ya., zam. glav. red.;
MIKHAYLOV, A.V., doktor tekhn. nauk, zam. glav. red.;
ABRAMOV, Yu.S., red.; IVANOV, M.A., red.; PETROV, G.D.,
doktor tekhn. nauk, red.; CHEMIN, A.N., red.

[Volga Hydroelectric Power Station (22d Congress of the
CPSU); album of engineering drawing] Volzhskaya gidroelektro-
stantsiya im. XXII s"ezda KPSS; al'bom chertezhei. Moskva,
Gosenergoizdat. Pt.2. [Organization and the carrying out of
installation and construction operations] Organizatsiya i
proizvodstvo stroitel'no-montazhnykh rabot. 1963. 74 p.

(MIRA 16:11)

1. Moscow. Vsesoyuznyy proyektno-izyskatel'skiy i nauchno-
issledovatel'skiy institut "Gidroyekt" im. I.Ya.Zhuk.
(Volga Hydroelectric Power Station(22d Congress of the CPSU)

ACCESSION NR: AP4029003

S/0126/64/017/003/0435/0439

AUTHOR: Vitman, F. F.; Ivanov, M. I.; Ioffe, B. S.

TITLE: Fracture of a rod during the impact of two short tensile stress impulses

SOURCE: Fizika metallov i metallovedeniye, vol. 17, no. 3, 1964, 435-439

TOPIC TAGS: tensile stress, rod fracture, tensiometric measurement, friable state

ABSTRACT: The authors made an attempt to fracture a metal rod by simultaneously loading both ends by means of an explosion. By means of tensiometric measurements were explained the wave amplitude changes after the first collision, reflection from the ends of the second collision during which the structure of the tensile impulses cause the fracture of the rod. The paper proves that the methods used for loading the sample and recording of parameters of the waves along the rod make it possible to measure the strength of materials which approach a brittle state. The method used and the equipment are explained in detail. A tensiogram of the stress in a rod of U10A tempered steel is given. The amplitude measurements of the colliding waves are given in a table. In conclusion the authors claim that the examined method may be useful only in limited cases when the metal is very close to a brittle state. This method is therefore inapplicable to a wide range of plastic materials. Never-

Card 1/2

ACCESSION NR: AP4029003

theless, this method may be used for a comparative evaluation of the breaking resistance of tempered steels and to study the influence of a transition from a static to a rapidly occurring impulse load of the metal on this characteristic. The development of methods for measurement of break resistance in plastic materials with impulse loading should be continued for the purpose of limiting the influence of plastic deformation waves which accompany the propagation and decrease the amplitude of the running wave. Orig. art. has: 3 figures and 1 table.

ASSOCIATION: Fiziko-tekhnicheskii institut im. A. F. Ioffe AN SSSR (Institute of Technical Physics, AN SSSR)

SUBMITTED: 20May63

DATE ACQ: 27Apr64

ENCL: 00

SUB CODE: ML

NO REF SOV: 003

OTHER: 003

Card 2/2

IVANOV, M.A.; KRIVOGLAZ, M.A.

Damping of phonons in solid solutions. Sbor.nauch.trud. Inst.
metallofiz. AN URSR no.19:28-45 '64. (MIRA 18:5)

DEMKINA, L.I., doktor tekhn.nauk; IVANOV, M.F. [deceased]

Volatility of fluor crown glass. Stek. i ker. 19 no.3:7-11 Mr
'62. (MIRA 15:3)

(Glass, Optical) (Volatility)

KOROVIN, T. D., inzh.; IVANOV, M. F., inzh.

Improving systems of mining with fill in mines of the Prokop'-
yevsk-Kiselevsk area. Izv. vys. ucheb. zav.; gor. zhur. no.9:
29-37 '61. (MIRA 15:10)

1. Kuznetskiy nauchno-issledovatel'skiy ugol'nyy institut.

(Kuznetsk Basin—Coal mines and mining)

IVANOV, M.M.

Anomaly of the magnetic field in the Atlantic and Indian Oceans.
Geomag. i aer. 1 no. 2:247-250 Mr-Apr '61. (MIRA 14:7)

1. Institut ~~Memnogo~~ magnetizma, ionosfery i rasprostraneniya
radiovoln, Leningradskoye otdeleniye.
(Atlantic Ocean--Magnetic anomalies)
(Indian Ocean--Magnetic anomalies)

IVANOV, M.M.

Secular variation of the magnetic field in the Atlantic and the Indian Oceans. Geomag. i aer. 1 no.4:588-593 J1-Ag '61. (MIRA 14:12)

1. Institut zemnogo magnetizma, ionosfery i rasprostraneniya radiovoln AN SSSR, Leningradskoye otdeleniye.
(Atlantic Ocean--Magnetism, Terrestrial--Secular variation)
(Indian Ocean--Magnetism, Terrestrial--Secular variation)

IVANOV, M.M.

Work of the nonmagnetic vessel "Zaria" in the Pacific Ocean.
Okeanologia 1 no.5:920-922 '61. (MIRA 15:3)
(Pacific Ocean--Geophysical research)

S/169/62/000/008/055/090
E202/E192

AUTHOR: Ivanov, M.M.

TITLE: Work of the non-magnetic Expeditionary Vessel "Zarya"
during the I.G.Y.

PERIODICAL: Referativnyy zhurnal, Geofizika, no.8, 1962, 3,
abstract 8 V 17. (Byul. Okeanogr. komis. pri
Prezidiume AN SSSR, no.8, 1961, 17-20).

TEXT: From August 3, 1957 to November 4, 1958, the
expeditionary vessel "Zarya" carried out magnetic observations in
the Atlantic and Indian oceans in order to collect material on the
distribution of the secular variations of the magnetic field of
the Earth and also in order to explain the degree of magnetic
anomaly of the oceans' surface. Compilation of new magnetic
charts of the oceans was envisaged. During the period of her work,
"Zarya" sailed 47 000 miles, entered 20 ports and visited 10
magnetic observatories. All the collected material was processed
in the Institut zemnogo magnetizma (Institute of Terrestrial
Magnetism). Numerous magnetic anomalies which were found led to
modification and improvement of the magnetic charts of the oceans.
Card 1/1 [Abstractor's note: Complete translation.] ✓

IVANOV, M.M.

Features of the distribution of the magnetic field in the Red
Sea. Geomag. i aer. 2 no. 6: 1131-1133 N-D '62. (MIRA 16:1)

1. Institut zemnogo magnetizma, ionosfery i rasprostaniya
radiovoln AN SSSR, Leningradskoye otdeleniye.
(Red Sea—Magnetic fields)

IVANOV, M. M.

Investigation of the accuracy of World magnetic charts and the distribution of secular variations of the magnetic fields in the oceans.

Geologic results of magnetic measurements at sea carried out by the nonmagnetic ship "Zarya".

Title: Conference on problems of marine magnetic surveys (held in Moscow in April 1962.

Source : Okeanologiya, v. 3, no. 4, 1963, p. 752

BK

L 19289-63
ACCESSION NR: AR3006546
EWT(1)/BDS AFFTC/ESD-3/AFMTC Pi-4/Po-4 TF
S/0169/63/000/008/A035/A035

SOURCE: RZh. Geofizika, Abs. 8A164

AUTHOR: Ivanov, M. M.

TITLE: Some Problems of Deviation During Magnetic Observations at Sea

CITED SOURCE: Tr. In-ta zemn. magn., ionosfery* i rasprostr. radiovoln. AN SSSR, vy*p. 20, ch. 1, 1962, 25-47

TOPIC TAGS: geomagnetic survey, Zarya, IGY, magnetic field, deviation, magnetic element, magnetometer, Poisson parameter

TRANSLATION: The non-magnetic ship Zarya carries a considerable amount of power, navigational and special scientific equipment which causes magnetic deviations whose magnitude in unfavorable conditions can reach 500γ. The theory of the deviation of the magnetic elements H, Z and T, is briefly described. It is reduced to the form: $\delta H = A + B \sin K + C \cos K + D \sin 2K + E \cos 2K$ for H and T, and to the form $\delta Z = A + B \sin K + C \cos K$ for Z, where the coefficients A...E are the known functions of the parameters of Poisson and of the

Card 1/2

Co.

IVANOV, M.M.

Some problems of the structure of the bottom of the Atlantic and Indian Oceans based on magnetic data. Geomag. i aer. 3 no.1:127-139 Ja-F '63.
(MIRA 16:4)

1. Institut zemnogo magnetizma, ionosfery i rasprostraneniya radiovoln AN SSSR, Leningradskoye otdeleniye.
(Atlantic Ocean--Ocean bottom) (Indian Ocean--Ocean bottom)
(Magnetic anomalies)

45217

S/203/63/003/001/015/022
A061/A126

3.9110

AUTHOR: Ivanov, M. M.

TITLE: On the depth of the sources of secular variations of the magnetic field in the oceans

PERIODICAL: Geomagnetizm i aeronomiya, v. 3, no. 1, 1963, 140 - 144

TEXT: The Z-isoporic charts covering the time from 1910 to 1958 in the Atlantic and the Indian Ocean were examined with a view to clarifying the secular variations of the geomagnetic field. The distributions of secular variations represented on these charts point to the existence of three centers: X

φ°	λ°	$\delta Z, \text{moe}$	$\delta Z \text{ av. yr/yr}$
+ 5	- 30	- 85	- 170
- 40	+ 40	+ 65	+ 130
- 15	+ 70	- 30	- 70

Card 1/2

On the depth of the sources:...

S/203/63/003/001/015/022
A061/A126

A spherical analysis of these data shows that the causes of the secular variations of the geomagnetic field are to be sought in processes taking place in the Earth's shell at a depth of roughly 2,000 km. There are 2 figures.

ASSOCIATION: Institut zemnogo magnetizma, ionosfery i rasprostraneniya radiovoln AN SSSR, Leningradskoye otdeleniye (Institute of Terrestrial Magnetism, Ionosphere and Radio Wave Propagation AS USSR, Leningrad Department)

SUBMITTED: July 8, 1962

Card 2/2

S/203/63/003/002/026/027
D207/D307

AUTHOR: Ivanov, M.M.

TITLE: Some problems of the performance of ferromagnetic probe pickups of the component-measuring magnetometers on board ship

PERIODICAL: Geomagnetizm i aeronomiya, v. 3, no. 2, 1963, 392-393

TEXT: In the development of magnetometers with ferromagnetic pickups for use on board ship the main problem is to set up a stabilized platform in order to eliminate the effects of the ship's roll. The experience with a three-component magnetometer on board 'Zarya' showed that Cardan joints were unsatisfactory and these were replaced by gyrohorizon. However, an analysis of the errors showed that the main difficulty is the increase in the thickness of the record trace due to ship's roll. If this is reduced or eliminated by damping of the recorder-pen oscillations, one can return to Cardan joints because up to 3° roll is acceptable for a final error of

Card 1./2

Some problems of the performance ...

S/203/63/003/002/026/027
D207/D307

0.1%.

ASSOCIATION: IZMIRAN, Leningradskoye otdeleniye (IZMIRAN, Leningrad Branch)

SUBMITTED: July 31, 1962

Card 2/2

IVANOV, M.M.

Magnetic observations in the Pacific Ocean. Okeanologia 3
no.4:750-751 '63.

Conference on marine magnetic surveying. 752 (MIRA 16:11)

APPROVED FOR RELEASE: 03/20/2001
AFPTC/NSA-1 Po-4/Pp-4/Po-4/Pp-4

GW
ACCESSION NR: AP3005493 S/0213/63/003/004/0752/0752

AUTHOR: Ivancov, M. M. 83
79

TITLE: Conference on problems of marine magnetic surveys [Held in Moscow in April 1962]

SOURCE: Okeanologiya, v. 3, no. 4, 1963, 752

TOPIC TAGS: marine magnetic measurement, world magnetic chart, isogonic chart, secular variation, magnetism, magnetism conference

ABSTRACT: Sektsiya geomagnetizma i zemnykh tokov Mezhdunarodnogo geofizicheskogo komiteta pri Prezidiume AN SSSR (the Section on Geomagnetism and Earth Currents of the Interdepartmental Geophysical Committee of the Presidium of the Academy of Sciences USSR) called a conference in Moscow in April 1962 to discuss the current status of and further plans for Soviet studies on magnetic measurements at sea. Participating in the conference were 56 delegates representing 20 organizations of the Akademiya nauk SSSR (Academy of Sciences SSSR), the Ministerstvo geologii i okhrany nedr (Ministry of Geology and Conservation of Mineral Resources), Ministerstvo Morskogo flota (Ministry of the Merchant Marine), and the Glavnoe upravleniye gidrometeoslužby* (Main Administration of the Hydrometeorological Service). The papers and reports presented included the following: 1) investigation of the accuracy of world magnetic charts and the distribution of secular

Card 1/2

L 24511-03

ACCESSION NR: AP3005493

9

variations of the magnetic fields in the oceans (M. M. Ivanov); 2) geologic results of magnetic measurements at sea carried out by the nonmagnetic ship "Zarya" (M. M. Ivanov); 3) results of magnetic measurements made at sea with magnetometers towed by ships (D. L. Finger); 4) results of magnetic measurements in the transitional zone between the Asian continent and the Pacific Ocean (S. G. Popov); 5) present state of magnetic measurement techniques (Sh. Sh. Dolginov and Yu. D. Bulanzhe); 6) present state of gravimetric and seismic measurements in the oceans (I. P. Kosminskaya); and 7) importance of magnetic measurements in the oceans to studies of the structure of the earth's crust (T. N. Simonenko).

ASSOCIATION: none

SUBMITTED: 00

DATE ACQ: 09Sep63

ENCL: 00

SUB CODE: AS

NO REF SOV: 000

OTHER: 000

Card 2/2

L 17105-63

EWT(1)/BDS

AFFTC/ZSD-3

PI-4/PO-4

TF

ACCESSION NR: AP3004026

S/0203/63/003/004/0781/0783

AUTHOR: Ivanov, M. H.

65
64

TITLE: Relation between the magnetic field and the bottom relief in the Atlantic Ocean

SOURCE: Geomagnetizm i aeronomiya, v. 3, no. 4, 1963, 761-783

TOPIC TAGS: magnetic field, bottom relief, Atlantic Ocean, basement rock

ABSTRACT: The magnetometric and the depth observations obtained simultaneously and continuously by the USA ship Vima during its cruise (San Juan-Hecife-Cape-town) were processed. The results were compared with those of the USSR ship Zarya. From this comparison it is deduced that the anomalies in the Atlantic Ocean magnetic field are directly correlated not with the relief of the bottom but with the variations in the composition of the basaltic basement rocks underlying the bottom. The degree of this complexity can be ascertained only by closely spaced or continuously recorded geophysical observations. Orig. has: 1 chart, 2 graphs, and 1 table.

Card 1/1

L 17106-63

ACCESSION NR: AP3004026

ASSOCIATION: Institut zemnogo magnetizma, ionosfery*; rasprostraneniya
radiovoln AN SSSR, Leningradskoye otdeleniye (Institute of Terrestrial Magnetism,
Ionosphere, and Radiowave Propagation, Academy of Sciences, SSSR)

SUBMITTED: 05Feb63

DATE ACQ: 15Aug63

ENCL: 00

SUB CODE: AS

NO REF SOV: 001

OTHER: 001

Card 2/2

IVANOV, M.M.

Relation between the magnetic field of the Atlantic Ocean and
its floor profile. Geomag. i aer. 3 no.4:781-783 JI-Ag '63.
(MIRA 16:11)

1. Institut zemnogo magnetizma. ionosfery i rasprostraneniya
radiovoln AN SSSR, Leningradskoye otdeleniye.

AUTHOR: Ivanov, M. M.

1975
75
Accounts of the magnetic field "Zarya" during 1964.

magnetic anomaly, nonmagnetic ship, terrestrial magnetism

areas, especially that found off the coast of Norway, and to make a further study of the mid-Atlantic equatorial anomaly. General statements describing the acco-

1. SUMMARY

ACCESSION NR: AP5014114

North Atlantic was increased considerably, more than 15 points were obtained at
... observations can be seen, the best of all -
...
...
...
... figures.

ABSTRACT: Institut zemnoy magnetizma, ionosfery i rasprostraneniya radiovoln
... Institute of Terrestrial Magnetism, the Ionos-
...
... figures.

sphere, and Radiowave Propagation, All USSR, Leningrad Section)

SUBMITTED: 06 Jan 65

ENCL: 00

SUB CODE: ES

OTHER: 000

ADD PRIMS: 4017

Care 212 7/1

IVANOV, M.M.

Application of the recommendations of the Scientific and Technical
Society in the enterprises of the light industry of the Ukrainian
S.S.R. Izv. vuzov. no. 2:24-27 Ap-Je '65.

(MIRA 18:10)

IVANOV, M.M.

For a further improvement of the work on the complete mechanization and automation of production processes in the light industry of the Ukraine.
Leh.prom. no. 3:3-5 Je-Ag '62. (MIRA 16:3)

1. Glavnoye upravleniye legkoy promyshlennosti Ukrainского soveta narodnogo khozyaystva.
(Ukraine—Industry) (Automation)

IVANOV, M.M.; MARKOV-OSORGIN, A.V.

PPI-1 deep-well submersible piezograph designed by the Ufa
Petroleum Scientific Research Institute. Trudy UFNII no.2:
206-210 '57. (MIRA 12:1)

(Piezometer)

I V ANOV, M.M.

PHASE I SOOK EXPLOITATION SOV/212*

11(4)

Meshchurovskoye soveshchaniye po voprosam novoy tekhniki v

naftyanoy promyshlennosti. Moscow, 1956
Razvedka i razrabotka nefyanykh i gazovykh mestorozhdeniy, materialy soveshchaniya, 1 (Prospecting and Development of Oil and Gas Deposits: Papers of the Inter-Ves Conference on New Techniques in the Petroleum Industry, Vol 1) Moscow, Gosoptekhnizdat, 1958. 311 p. Errata slip inserted. 1,500 copies printed.

Eds.: I. M. Murav'yev, Professor, Doctor of Technical Sciences, and V. N. Dakhnov, Professor, Doctor of Geological and Mineralogical Sciences; Editorial Board: G. P. Zhigach, Professor (Moscow, U.S.S.R.), I. M. Murav'yev, Professor, A. A. Tikhomirov, Candidate of Economic Sciences, V. I. Yegorov, Professor, P. A. Charygin, Professor, N. K. Chernomukhov, Professor, P. A. Dunayev, Professor, N. I. Chernyy, Professor, G. M. Pavlov, Professor, V. N. Dakhnov, Professor, Doctor of Geological and Mineralogical Sciences, M. S. Kameikin, Doctor of Chemical Sciences, M. A. Almazov, Docent, V. N. Khograzov, Candidate of Technical Sciences, V. I. Biryukov, Candidate of Technical Sciences, E. I. Taziyev, and V. M. Gursich. Executive Ed.: N. P. Dobrymina; Tech. Ed.: E. A. Mukhina.

PURPOSE: The book is intended for engineers and scientific personnel working in the petroleum industry and vuzses. It may also serve as a textbook for advanced students of petroleum vuzses.

COVERAGE: The book contains articles written by staff members of the Moscow, Gromnyy, and Ufa Petroleum Institutes, the Ufa Scientific and Azerbaydzhan Industrial Institutes, the UPMI (Ufa Scientific Research Institute of Oil Drilling), Wilburnett, (All-Union Scientific Research Institute of Oil Drilling), KBNP (Design Office of Petroleum Institute), the Bashnft Association (Bashnft Mirya Petritic Conference). These papers, read at the Mirya Petritic Scientific Conference, deal with new techniques in the petroleum industry introduced since 1956. Emphasis is given to the importance of efficient drilling, geophysical prospecting, working of oil and gas deposits, and the use of new devices applied in oil and gas exploitation. There are 52 references: 44 Soviet, and 8 English.

Zhigach, K. P., L. K. Mukhin, V. N. Demidchev, and M. M. Gorncharov (Moscow Petroleum Institute). Petroleum-Base Drilling Fluids. 92
The authors state that petroleum-base drilling fluids are being used to open productive horizons to maintain the penetration rate at the petroleum-base drilling fluids is particularly efficient for opening formations with high permeability and low pressure, where the absorption of a large amount of mud by the productive formation may prove dangerous. Petroleum-base drilling fluids also prove useful in opening formations with low permeability, particularly where the mud contains swelling clay. Petroleum-base drilling fluids produce good results in drilling under complex geological conditions and in drilling deep and directional wells.

Kashovich, R. Ya. [Design Office of Petroleum Equipment]. Control and Measuring Devices Used in Petroleum Production 281
 The author cites data on new equipment designed for research and control and measuring instruments used in working oil deposits. Equipment developed by the KMP may be divided into the following groups: 1) equipment for the study of petroleum reservoirs; 2) equipment for the study of petroleum properties under formation conditions; 3) control-measuring devices and equipment for depth measurements. This article also refers briefly to work automation, remote control, and the management of processes of petroleum production.

Yusupov, M. M. [Ufa Petroleum Scientific Research Institute]. New Instruments for Studying Deep Wells. 296
 The author lists new models of UPMI-designed depth instruments. Between 1954 and November 1955 work was performed with the aid of DOM-4 differential manometers in the study of well interference and the precise location of oil deposits. These studies led to important conclusions on the structure of oil formations. The author also refers to the existence of hydraulic contact between the two formations. A depth piezometer produced at the UPMI Institute is now undergoing industrial tests.

Alizade, G. A., Yu. V. Grachev, A. M. Melik-Shahmazarov, and M. Ya. Yul'danov [Azerbaijani Industrial Institute]. Telemetering Parameters of Deep Oil Wells 304
 The authors discuss the importance of depth studies in drilling and working oil wells. The Azerbaijan Institute studies and designs devices for the continuous automatic telemetering of parameters of deep wells. The article describes several experimental models of these devices.

KOGAN, A.B., gornyy inzh.; IVANOV, M.M., gornyy inzh.

Economic efficiency of using GS-type hydraulic jacks in the Donets Basin. Ugol' 33 no.8:37-41 Ag '58. (MIRA 12:1)

1. Donetskii nauchno-issledovatel'skiy ugol'nyy institut.
(Donets Basin--Mine timbering) (Hydraulic jacks)

KOGAN, A.B., gornyy inzh.; ALEYNIKOV, A.A., gornyy inzh.; DUBOV, Ye.D.,
gornyy inzh.; IVANOV, M.M., gornyy inzh.

Investigating manifestations of rock pressure by means of GS-type
hydraulic jacks. Ugol' Ukr. 3 no.4:12-15 Ap '59.
(MIRA 12:7)

(Subsidence (Earth movements)) (Hydraulic jacks)

KOGAN, A.B., inzh.; IVANOV, M.M., inzh.; DUBOV, Ye.D., inzh.;
OVCHARENKO, B.P., kand.tekhn.nauk

Using hydraulic struts in Donets Basin mines. Sbor.DonUGI
no.26:3-42 '62. (MIRA 16:6)
(Donets Basin--Mine timbering--Equipment and supplies)

IVANOV, M.M.; FAKHREYEV, I.A.

New precision PGM-I manometer. Mash. i nef. obor. no. 1236-38
'64. (MIRA 17:7)

1. Ufimskiy neftyanoy nauchno-issledovatel'skiy institut.

L 10918-67 EWT(1)/FCC GD/GW SOURCE CODE: UR/0000/65/000/000/0091/0093
ACC NR: AT6021018 (N) 22

AUTHOR: Ivanov, M. M.

ORG: none

TITLE: Marine surveys of the geomagnetic field (problems and procedures)

SOURCE: AN SSSR. Institut fiziki Zemli. Nastoyashcheye i proshloye magnitnogo polya Zemli (The present and past of the earth's magnetic field). Moscow, Izd-vo Nauka, 1965, 91-93

TOPIC TAGS: geomagnetic field, geomagnetic measurement, oceanographic survey

ABSTRACT: The existing types of oceanic surveys of the geomagnetic field are reviewed briefly. The basic types of geomagnetic surveys presently conducted by the "Zarya" -- research ship are three-component surveys over large bodies of water. Some results of these surveys in the Atlantic and Indian Oceans are discussed. It is shown that the magnetic charts (maps of 1955) made without taking into account the most recent data contain substantial systematic errors spread over vast water areas, especially in the Southern Hemisphere. The presence of continuous magnetic profiles has made it possible both to get an idea about the anomalous geomagnetic field over large oceanic areas and to compare it for the first time with other geophysical data and with special features of the structure and morphology of the ocean floor. All of the oceanic magnetic surveys are broken down into three basic types: 1) three-component magnetic surveys directly on the water surface; 2) three-component aerial surveys;

Card 1/2

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ACC NR: AT6021018

and 3) single-component surveys both on the water surface and by aircraft. The merits and drawbacks of each type are enumerated and discussed. The presently available towed-type magnetometers permit only single-component measurements of the geomagnetic field. It is stressed that there is a need for the further development of all three types of surveys. In view of the low productivity of this nonmagnetic ship and the apparent impossibility of building a new series of such ships, it is suggested that in future oceanic surveys special attention be paid to the distribution of the main geomagnetic field, to systematic studies into the secular variations of the geomagnetic field in oceans, and to the mutual control and coordination between all the absolute surveys of various kinds.

SUB CODE: 08/ SUBM DATE: 21Sep65

Card

212

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PA 31/49T66

IVANOV, V.M.

USSR/Medicine - Animals, Experimentation Jun 48
Medicine - Paratyphoid Vaccine

"Studies on Effectiveness of Formol-Vaccine
Against Paratyphoid in Young Pigs," M. M. Ivanov,
Cand Vet Sci, 2 3/4 pp

"Veterinariya" No 6

Treats under: (1) testing vaccine on laboratory
animals, (2) testing vaccine on young pigs under
experimental conditions, and (3) testing vaccine
against paratyphoid infection under natural con-
ditions. Recommends mass vaccination of young
pigs.

31/49T66

IVANOV, M. M.

Report given at scientific conference in Moscow, 3-9 April, 1951,
dedicated to 20th Anniversary of the State Scientific Control Institute for
Veterinary Preparations: "Methods of Active Prophylaxis in Coliparatyphoid
Diseases"

Veterinariya, 28, No. 6, pp.60-62, June 1951

(M.M.) 5

IVANOV

"Pathologo-Anatomical Changes in the So-called Malignant Form of Foot-and-Mouth Disease in Guinea Pigs". Vet. spetsialist na sots. stroyka, 1931, No 9 - 10 (Bibliography from article Foot and Mouth Disease by A. L. Skomorokhov, State Publishing House for Agricultural Literature, Moscow/Leningrad 1947.)
SO: [REDACTED] U-1625, 11 January 1952, [REDACTED]

IVANOV, M. M.

"Testing the action of Pyramine, Pyrosidine, and Pyroquincidine in
Brucellosis of Agricultural Animals. (p. 288)

"The Question of Immunity to Paratyphoid." (pp 25-31)

(Trudy Nauchno-kontrol'nogo Instituta Veterinarnykh Preparatov,
Moscow, Vol. 3, 1952)

IVANOV, M.M., laureat Stalinskoy premii, doktor veterinarnykh nauk.

Active prophylaxis of coli-paratyphoid diseases in young animals.
Trudy Gos.nauch.-kont.inst.vet.prep. 4:287-301 '53. (MLRA 7:10)
(Paratyphoid fever--Preventive inoculation) (Bacteriophage)
(Veterinary medicine)

IVANOV, M. M.

ORLOV, F.M., dotsent, kandidat veterinarnykh nauk, redaktor; SOLOVEY, A.S., redaktor; AFONSKIY, S.I., zasluzhennyy deyatel' nauki Tatarskoy ASSR, professor, doktor veterinarnykh nauk, redaktor; IVANOV, M.M., laureat Stalinskoy premii, doktor veterinarnykh nauk, redaktor; KOVALENKO, Ya.R., professor, doktor veterinarnykh nauk, redaktor; KOLYAKOV, Ya.Ye., zasluzhennyy deyatel' nauki RSFSR, professor, doktor veterinarnykh nauk, redaktor; METELKIN, A.I., professor, doktor biologicheskikh nauk, redaktor; SARKISOV, A.Kh., professor, doktor biologicheskikh nauk, redaktor; SVINTSOV, P.M., professor, doktor veterinarnykh nauk, redaktor; BALLOD, A.I., tekhnicheskii redaktor

[Laboratory research methods in veterinary medicine] Laboratornye metody issledovaniia v veterinarii. Moskva, Gos. izd-vo selkhoz. lit-ry, Vol. 3. 1954. 645 p. (MIRA 7:10)
(Veterinary research)

~~IVANOV, M.~~ professor; BABICH, M., professor; THERENT'YEV, F., professor;
SYURIN, V., kandidat veterinarnykh nauk

1. Practical value of G.M.Boshian's discovery. Zhur.mikrobiol.
epid. i immun. no.11:115-120 N '54. (MIRA 8:1)

(VIRUSES,
conversion into bact.)

(BACTERIA,
conversion into viruses)

Ivanov, M.M.

USSR/Microbiology - Medical and Beterinary.

F-4

Abs Jour : Ref Zhur - Biologiya, No 7, 1957, 26336

Author : Ivanov, M.M., Nikiforova, N.M., Bazylev, N.M.

Inst : VASKhNIL

Title : The Problem of the Isolation of Live Agents in Hyperimmune Serums

Orig Pub : Dokl. VASKhNIL, 1956, vyp. 4, 42-44

Abst : In connection with the publication of data on the possibility of acquiring avivual forms of the agents involved, which are then regenerated into visual forms (in anthrax [Kolesov, Borisova] or lamb dysentery [Kagan, Kolesova]) a verification of these statements was undertaken by following the method described by the authors cited. The results of these tests showed anti-anthrax precipitative and curative sera, as well as sera against lamb dysentery, do not contain the live agents involved, and the data cited by Kolesov, Borisova, Kagan and Kolesa are thereby invalidated.

Card 1/1

n-2

USSR/Diseases of Farm Animals - Diseases Caused by Bacteria
and Fungi.

R-2

Abs Jour : Ref Zhur - Biol., No 11, 1958, 50173
Author : Ivanov, M.L., Levina, I.G., Studentsov, P.S., Kuznetsov,
V.S.
Inst : State Scientific Control Institute of Veterinary Prepara-
tions.
Title : The Problem of Anti-Brucellosis Vaccination of Large
Horned Cattle with Dry Brucella Vaccine.
Orig Pub : Tr. Gos. nauchno-kontrol'n. in-t po vetpreparatam, 1956,
6, 110-123.
Abstract : Vaccinations were performed with the live brucella No 19
strain vaccine. The vaccine was hypodermically injected
in 5 ml doses to all barren cows, as well as to cows preg-
nant for up to 6 months. The agglutination reaction

Card 1/2

- 14 -

USSR / Diseases of Farm Animals. Diseases Caused by Bacteria and Fungi. R

Abs Jour: Ref Zhur-Biol., No 8, 1958, 35822.

Author : ~~Ivanov, M. M.~~, Karcheskaya, V. K.
Inst : State Scientific Control Institute for Veterinary Preparations.
Title : Concerning the Problem of Intra-Vitam Diagnosis of Paratyphoid in Domestic and Wild Animals.

Orig Pub: Tr. Gos. Nauchno-kontrol'n. in-ta po vetpreparatam, 1956, 6, 282-287.

Abstract: It was demonstrated that the method of agglutination of stool cultures as developed by Bergof Bernhof ? is a valuable addition to the generally adopted bacteriological methodology for intra-vitam diagnosis of paratyphoid and dysen-

Card 1/2

11

USSR/Microbiology - Microbes Pathogenic for Man and Animals.
Brucellae

F

Abs Jour : Ref Zhur Biol., No 22, 1958, 99436

Author : Ivanov, M.M., Romanov, A.M., Levina, I.G.

Inst : State Scientific Control Institute of Veterinary Preparations.

Title : Study of the Biological Properties of the Strain #19 in Comparison with Other Brucella Strains.

Orig Pub : Tr. Gos. Nauchno-kontrol'n. in-ta vet. preparatov, 1957, 7, 12-19

Abstract : It was established that the vaccinal strain of Brucella bovis #19 possesses a well-consolidated type and biological properties which do not change following triple passage of the strain through the organism of sheep or guinea pigs. It was also demonstrated that this strain

Card 1/2

USSR/Microbiology - Microbes Pathogenic for Man and Animals.
Brucellae

F

Abs Jour : Ref Zhur Biol., No 22, 1958, 99436

possesses residual virulence. A rapid spread of Brucella occurs in the organism following the infection of guinea pigs with doses of 1-100,000 microbe bodies. Within 30-35 days following the infection no Brucella are found in the majority of the cases in the internal organs, and only occasionally are they isolated from the regional lymph nodes. The organism of the vaccinated animals frees itself rapidly of Brucella, acquiring under these circumstances immunity to virulent strains of Brucella of the type bovis and melitensis. The strain Br. suis #55, administered to sheep in doses of 5 and 10,000,000,000 microbe bodies confers immunity to brucellosis, but the biological properties of the strain are not consolidated.
-- G.Ye. Frunkina

Card 2/2

Country : USSR R
Category : Diseases of Farm Animals.
Abs. Jour : Diseases Caused by Bacteria and Fungi.
: Ref Zhur-Biol., No 21, 1958, 96969
Author : Ivanov, M. M.; Romanov, A. M.
Institut. : State Scientific Control Institute of Veteri-
Title : The Problem of Vaccinating Sheep and Cattle
: against Brucellosis with the No 19 Vaccine.
Orig Pub. : Tr. Gos. nauchno-kontrol'n. in-ta vet. prepara-
: tov, 1957, 7, 26-40
Abstract : In laboratory and industrial tests it was
shown that dry live vaccine of the No 19 strain
is harmless and creates immunity in sheep to
subsequent infection with brucellosis cultures
of the melitensis and bovis types which was
preserved for 3, 5, 7 months (checking time).
The intensity of immunity in vaccinated sheep
is found to be directly dependent on the do-
sage and manner of introduction of the vaccine.
The subcutaneous introduction of the vaccine

Card: 1/2 *nary Preparations.

COUNTRY :
 CATEGORY : R

ABS. JOUR. : RZhBiol., No. 6 1959, No. 25975

AUTHOR :
 INST. :
 TITLE :

ORIG. PUB. :

ABSTRACT : with I, immunity was established in 20% of ani-
 cont'd. mals, and in sheep vaccinated with II, in 40%
 of heads. The sheep vaccinated with III exhibi-
 ted complete resistance to artificial infection
 by brucellosis. In sheep vaccinated with IV
 with doses of 5 and 25 billion Brucellae, immu-
 nity was established in 90 and 100% of cases
 respectively.-- L.S.Kirichenko.

CARD: 2/2

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000619110008-5" F

Journal of Microbes Pathogenic for Man and Animals.
 Brucellae

Abs Jour : Ref Zhur Biol., No 22, 1958, 99435

Author : Ivanov, M.M., Kirillov, L.V.

Inst : State Scientific Control Institute of Veterinary
 Preparations.

Title : Differentiation of the Strain Dr. bovis 19 from
 Epizootic Strains.

Orig Pub : T. Gos. nauchno-kontrol'n. in-ta vet. preparatov, 1957,
 7, 47-50

Abstract : Vaccine strains of Brucella bovis 19 and of the Institute
 imeni Gamaleya inoculated in the amount of 1 loop of sus-
 pension of Brucella with a density of 1,000,000,000 micro-
 bial bodies in one ml in a test tube with semifluid agar,
 containing 0.2 ml of basic 0.1% thionine (I) in 50 ml

Card 1/2

Abs Jour : Ref Zhur Biol., No 22, 1958, 99435

of medium, failed to grow in the course of 96 hours.
 Epizootic strains of Dr. bovis of high virulence pro-

USSR/Diseases of Farm Animals. Diseases Caused by
Bacteria and Fungi.

R-1

Abs Jour: Ref Zhur-Biol., No 18, 1958, 83520

Author : ~~Ivanov, M. M.~~, Popov, V. A.
Inst : State Scientific Control Institute of Veterinary
Preparations.
Title : Cattle Immunization in Brucellosis Isolators with
Strain No 19 Vaccine.

Orig Pub: Tr. Gos. nauchno-kontrol'n. in-ta vet. preparatov,
1957, 7, 51-53.

Abstract: No abstract is given

Card 1/1

13

10

(Prof.)
IVANOV, M. M., PAVLOVSKIY, V. V., KIRILLOV, L. V. and POPOTSENKO, A. S.
(Professor, Candidate of Veterinary Sciences, Junior Scientific Co-
worker of GNKI [State Scientific Control Institute for Veterinary Pre-
parations] and Senior Veterinary Surgeon, Veterinary Administration of
the Ministry of Agriculture of the Lithuanian SSR)

"Concerning the preservation of serological reactions in cows,
vaccinated against brucellosis"

Veterinariya, Vol. 38, no. 7, July 1961, pp. 33

BOYKO, A. A., IVANOV, M. M., PROKOF'YEVA, M. T. and FEDOTOV, B. N., At the
Conference of Veterinary Surgeons of the German Democratic Republic
Veterinariya, vol. 39, no. 6, June 1962 p. 78

IVANOV, M. M.

"Specific prophylaxis in the brucellosis in sheep."

report to be submitted at the 17th World Veterinary Congress,
Hanover, West Germany, 14-21 Aug 63.

IVANOV, M.M., prof.

Answers to readers' letters. Veterinariia 41 no.1:104-106
Ja '64. (MIRA 17:3)

1. Godudarstvennyy nauchno-kontrol'nyy institut veterinarnykh preparatov.

KRAPIVNER, L.M.; AKHMEDOV, A.M., prof.; YEGOROV, I.; IVANOV, M.M., prof.;
PAVLOVSKIY, V.V., kand.veterin.nauk

Book reviews and bibliography. Veterinariia 41 no.3:112-117 Mr '64.
(MIRA 18:1)

1. Smarkandskiy sel'skokhozyaystvennyy institut (for Akhmedov).

BOYKO, A.A.; IVANOV, M.M.; PROKOF'YEVA, M.T.; FEDOTOV, B.N.

Visiting the veterinarians of the German Democratic Republic.
Veterinariia 39 no.6:78-83 Je '62 (MIRA 18:1)

ACC NR: AP6030796

(A,N)

SOURCE CODE: UR/0346/66/000/009/0015/0018

AUTHOR: Vershilova, P. A.; Ivanov, M. M.; Orlov, Ye. S.; Kaytmazova, Ye. I.;
Kurdina, D. S.; Zasedateleva, G. S.; Mikhaylov, N. A.; Pindgin, A. F.; Merinov,
S. P.; Dranovskaya, Ye. A.; Davydov, N. N.

ORG: none

TITLE: Brucellosis cultures isolated from deer in the northern Soviet Union

SOURCE: Veterinariya, no. 9, 1966, 15-18

TOPIC TAGS: brucellosis, brucella culture, disease vector, deer, animal disease

ABSTRACT: Brucellosis is widely distributed among deer in the northern part of the Soviet Union. In general they serve as carriers and epizootic reservoirs of brucellosis in cattle and sheep. The most typical species is *Brucella abortus*, with the other two common types rare or absent. A fourth type, *Br. rangiferi*, differing from the others, was also isolated.

[WA-50; CBE No. 12]

SUB CODE: 06/ SUBM DATE: none/ ORIG REF: 014/ OTH REF: 010

Card 1/1

UDC: 619:616.981.42-02:636 294

IVANOV, Mikhail Mikhaylovich, doktor veter. nauk; ISAYEV, V.A.,
red.

[Barriers in the path of infection; problems of immunity
in farm animals] Bar'ery na puti infektsii; problemy im-
muniteta sel'skokhoziaistvennykh zivotnykh. Moskva,
Znanie, 1965. 29 p. (Novoe v zhizni, nauke, tekhnika.
V Seria: Sel'skoe khoziaistvo, no.13) (MIRA 18:7)

L 52190-65 EWT(1)/FCC/EEC(t) Po-4/Pi-4 Gr

ACCESSION NR: AP5014113

UR/0203/65/003/003/0529/0533
550.383

27
26
B

AUTHOR: Ivanov, M. M.

TITLE: Some conclusions from a comparison of magnetic observations on the ship
"Zarya" and aeromagnetic surveying as part of Project "Magnet"

SOURCE: ¹²Geomagnetizm i aeronomiya, v. 5, no. 3, 1965, 520-533

"Zarya" and aeromagnetic surveying as part of Project "Magnet"

SOURCE: *Geomagnetizm i aeronomiya*, v. 5, no. 3, 1965, 529-533

TOPIC TAGS: magnetic field, magnetic anomaly, magnetic surveying, aeromagnetic
ship, oceanic magnetic anomaly,

ABSTRACT: Magnetic data (curves of the absolute values of magnetic elements) obtained aboard the Soviet nonmagnetic ship "Zarya" during voyages in the Red Sea and the Atlantic Ocean have been compared with magnetic data observed from aircraft flown over approximately the same areas (tables of absolute values of magnetic elements, compiled by American methods). Areas selected for study were those where the

of the study were to determine if this method would produce information reliable

Card 1/3

L 52190-65

ACCESSION NR: AP5014113

enough to determine magnetic elements for charting purposes and to study inhomogeneities in the structure of the ocean bottoms and the underlying thin crustal layers. Three values were compared: 1) ΔZ values measured from the surface of the water; 2) ΔZ values recalculated from data observed aboard ship for the flight.

15. has: 7 formulas, 1 table and 2 figures.

Card 26

L 52190-65

ACCESSION NR: AP5014113

ASSOCIATION: Institut zemnogo magnetizma, ionosfery i rasprostraneniya radiovoln
AN SSSR, Leningradskoye otdeleniye (Institute of Terrestrial Magnetism, the Ionosphere, and Radiowave Propagation, AN SSSR, Leningrad Section)

SUBMITTED: 29Aug64

ENCL: 00

SUB CODE: ES

NO REF SOV: 002

OTHER: 000

ATD PRESS: 4015

llc
Card 3/3

LV IVANOV, M.N.

IVANOV, M.N.; BANIN, M.F., redaktor; CHAROV, A.D., tekhnicheskiiy redaktor.

[Breakages and repair of coal pulverizing equipment] Povrezhdenia
i remont pyleprigotovitel'nykh ustroystv. Moskva, Gos.energ.izd-vo,
1947. 111 p. (MIRA 8:4)
(Coal, Pulverized)

IVANOV, M.N.

DOTSENKO, K.D., mashinist ekskavatora; TIMASHKOV, M.V.; GROHM'RSKIY, I.A.;
OLFER'YEV, M.A.; IVANOV, M.N., inzhener, redaktor.

[Highly productive work on a dragline excavator] Opyt vysokoproiz-
voditel'noi raboty na ekskavatore-draglaine. Moskva, Gos. transp.
zhei-dor. izd-vo, 1953. 28 p. (MLRA 7:4)

(Excavating machinery)

IVANOV, Mikhail Nikolayevich, prof., doktor tekhn.nauk; KOMAROV,
Mikhail Stepanovich, prof., doktor tekhn.nauk; DOBROVOL'SKIY,
V.A., prof., retsenzent; KURENDASH, R.S., dotsent, kand.tekhn.
nauk, otv.red.; KOTLYAROV, Yu.L., red.; MALYAVKO, A.V., tekhn.red.

[Machine parts and hoisting and conveying machinery] Detali
mashin i pod'emno-transportnye mashiny. L'vov, Izd-ve L'vovskogo
univ., 1961. 587 p. (MIRA 15:2)

1. Moskovskoye vyssheye tekhnicheskoye uchilishche im. Baumana
(for Ivanov). 2. L'vovskiy politekhnicheskiy institut (for
Komarov). 3. Odesskiy politekhnicheskiy institut (for Dobrovol'skiy).
(Hoisting machinery) (Conveying machinery)

WITVIV, M-N.
CA

The kinetics of washing. A. V. Il'in and M. N. Ivanov. *Kinafotokhimiya*, 1940, No. 8, 20-1.—Washing a photographic emulsion considerably affects the properties and stability of the finished product. In II. and I.'s expts. KBr, NH₄OH or HCl was added to gelatin gels of different contents, to simplify the study. The diam. of the emulsion nodules was the same in all expts. The washing was carried out by decantation, the H₂O being changed every 0.5 hr. The substances washed out from the emulsion were detd. in g. per l. after each decantation. The KBr content was detd. potentiometrically with a AgBr electrode, and the content of NH₄ or HCl by titration. It was found that KBr washes out about twice as fast as the other 2 substances. A study of the change in the speed of washing with the temp. showed that the speed increases with increase of the temp. in almost direct proportion. The change in the speed of washing of 1% gels of different batches differs slightly for NH₄ but is approx. the same for the other substances. W. R. Richter

ASTM 3.1.4 METALLOGRAPHICAL LITERATURE CLASSIFICATION

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 2, p 13 (USSR) SOV/124-58-2-1571

AUTHOR: Ivanov, M. N.

TITLE: The Shadowgraph Method of Recording Oscillations (Foto-tenevoy metod registratsii kolebaniy)

PERIODICAL: V sb.: Mashiny i pribory. Moscow, Mashgiz, 1953, pp 25-32

ABSTRACT: The article describes the construction and operation of an inertialess instrument MVTU-IM-IV designed for direct recording of various motions. The recording is made on a photographic film by means of a beam of light. The instrument is equipped with three recorders (time, angular velocity, etc.) and is capable of simultaneous recording of motion in three planes. The film speed can be regulated within the limits of 0.3 to 1.5 m/sec. The article includes photographic recordings of some motions.

K. S. Kolesnikov.

Card 1/1

IVANOV, Mikhail Nikolayevich.

Academic degree of Doctor of Technical Sciences, based on his defense, 15 March 1954, in the Council of Moscow Order of Labor Red Banner Higher Technical School imeni Bauman, of his dissertation entitled: "Research on Vibrations in Machine Building by the Photographic Method."

Academic degree and/or title: Doctor of ^{*Techn.*} Sciences

SO: Decisions of VAK, List no. 12, 28 May 55, Byulleten' MVO SSSR, No. 15, Aug 56, Moscow, pp. 5-24, Uncl. JPRS/NY-537

Ivanov M.N.

GALKIN, F.Ya., kand.tekhn.nauk; IVANOV, M.N., starshiy inzh.

Rapid evolution of square roots by electronic calculating machines.
Izv. vys. ucheb.zav.; prib. no.2:44-51 '58. (MIRA 11:7)

1. Leningradskiy institut tochnoy mekhaniki i optiki.
(Electronic digital computers) (Square root)

28(1,2)
AUTHORS: Galkin, F.Ya., Docent, and Ivanov, M.N., Engineer
SOV/146-59-2-14/23

TITLE: Eliminations of Correcting Additions at the Extraction of Square Root in Binary Computing System

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy - priborostroyeniye, 1959, Nr 2, pp 83-91 (USSR)

ABSTRACT: The process of arithmetical extraction of the square root in a binary computing system resembles in many ways the process of division. Both processes go from higher to lower orders. In both cases, the subtrahend value contained in the counter is subtracted from the next remainder. In both cases, the next digit of the result is noted; if the remainder is positive - the digit is "1", if negative - it is "0". In both processes, the positive remainder is shifted after each subtraction by one order to the left, or the following subtrahend is shifted by one order to the right, that is, the subtrahend is decreased two times in respect to the minuend. If the remainder is negative, correcting addition is performed before

Card 1/2

SOV/146-59-2-14/23

Elimination of Correcting Additions at the Extraction of Square
Root in Binary Computing System

the shift. Having done the necessary research, the author deduces how to extract the square root without recurring to correcting additions: "In the case where the remainders are positive, the next digit of the root "1" is noted, "01" is added to the determined value of the root, and the shift and subtraction are performed. If the remainders are negative, the next digit of the root "0" is noted, "11" is added to the determined root value, and the shift and addition are made". For extraction of square root without correcting additions, a layout shown in Fig 1 is applied. Recommended by the Kafedra schetnoreshayushchikh priborov (Chair of Computing-Solving Devices). There are 3 tables, 2 diagrams and 1 Soviet reference.

ASSOCIATION:

Leningradskiy institut tochnoy mekhaniki i optiki
(Leningrad Institute of Precision Mechanics and Optics)

SUBMITTED:
Card 2/2

March 10, 1959 ✓

67470
SOV/146-2-4-12/19

~~28(2)~~ 16.6800

AUTHOR: Galkin, F.Ya., Candidate of Technical Sciences, Do-
cent, Ivanov, M.N., Engineer

TITLE: Decimal Translator Circuits (Decades)

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Priborostroye-
niye, 1959, Nr 4, pp 91-96 (USSR)

ABSTRACT: Decimal translators or decades are widely used as
pulse counters. Such a decade circuit (Figure 1) was
already described in a previous article / Reference
1 7. At the Laboratory of the Leningrad Institute
of Precision Mechanics and Optics, the authors of
the present article developed and tested two new im-
proved decade circuits (Figures 2 and 3) with capa-
citative coupling whose design and performance are
described in detail. The principal advantage of
these instruments is that they can be connected up
with any triggers, without additional calculations

Card 1/2

✓

67470

SOV/146-2-4-12/19

Decimal Translator Circuits (Decades)

or investigations, and are very reliable and quick-acting. This article was recommended by the Kafedra schetno-reshayushchikh priborov i ustroystv (The Chair of Computing and Counter Instruments and Devices). There are 3 diagrams and 1 Soviet reference.

ASSOCIATION: Leningradskiy institut tochnoy mekhaniki i optiki
(The Leningrad Institute of Precision Mechanics
and Optics) ✓

SUBMITTED: June 26, 1959

Card 2/2

IVANOV, M.N., doktor, tekhn.nauk, prof.; SHUVALOV, S.A., kand.tekhn.nauk,
dotsent; ARTANOV, A.K., inzh.

Undulating gears. Izv.vys.ucheb.zav.; mashinostr. no.8:53-69
'63. (MIRA 16:11)

1. Moskovskoye vyssheye tekhnicheskoye uchilishche imeni Baumana.

IVANOV, Mikhail Nikolayevich, doktor tekhn.nauk, prof.; LEBEDEV,
D.A., prof., retsenzent; MARTYNOV, A.P., red.; FADEYEV,
I.I., red.

[Machine parts] Detali mashin. Moskva, Vysshaya shkola,
1964. 446 p. (MIRA 18:2)

ACC NR: AP7001944

SOURCE CODE: UR/0120/66/000/006/0108/0113

AUTHOR: Ivanov, M. N.; Kadashevich, V. I.; Kondurov, I. A.

ORG: Physicotechnical Institute, AN SSSR, Leningrad (Fiziko-tekhnicheskiy institut AN SSSR, Leningrad)

TITLE: Multi-input counting system with data readout

SOURCE: Priboiy i tekhnika eksperimenta, no. 6, 1966, 108-113

TOPIC TAGS: calculator, data readout

ABSTRACT: The MSS-8 multi-input counting system is described. This self-contained system, based on decade-by-decade access to the storage unit, permits: 1) accumulation of information in eight channels simultaneously over a period preset by a timer; (2) information readout for printing and punching in machine-readable code; (3) revision of operating conditions according to the prescribed program. The basic parameters of the system are as follows: capacity of each channel 10^7 ; input resolution time, 1 μ sec; intervals set by the timer 10^2 — 10^6 sec; A program control unit has been added to hold the system automatically to a prescribed sequence of system operations; there are up to 10^5 positions for program control. High reliability and simplicity of adjustment have been achieved by using linear access selection with full current remagnetization of cores. The storage unit contains 64 memory decades which form 8 channels. One of the eight decades keeps the number of channel and the

Card 1/2

UDC: 681.142.4

ACC NR: AP7001944

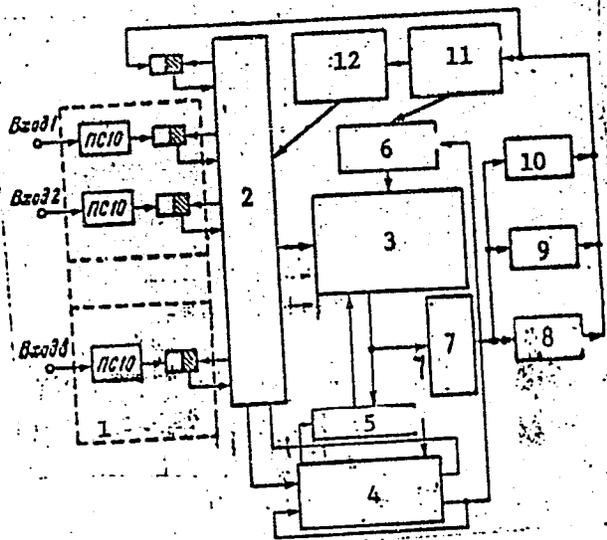


Fig. 1. Block diagram of MSS-8 multi-input counting system

1 - Input block; 2 - interrogator; 3 - storage unit; 4 - unit of prefixed programs: accumulation and output; 5 - four-bit adder; 6 - bit counter; 7 - output register; 8 - EUM-28-type printer; 9 - PL-type puncher; 10 - indicating tube; 11 - output bit counter; 12 - output channel counter.

remaining serve for date storage. The code is stored in binary-decimal form. Orig. art. has: 6 figures.

SUB CODE: 09/ SUBM DATE: 20Nov65/ ORIG REF: 003/ OTH REF: 001/
Card. 2/2

L 02387-67 EEC(k)-2/EWP(k)/EWT(d)/EWP(l)/EWP(v) IJP(c) GG/BB

ACC NR: AR6033766

SOURCE CODE: UR/0058/66/000/007/A028/A029

54

AUTHOR: Ivanov, M. N. ; Kadashevich, V. I. ; Kondurov, I. A. ; Nekhay, A. P. ; Nikolayev, S. N. ; Nikanorov, A. G. ; Petrova, V. I.

TITLE: Centralized system for the assembly and processing of information

SOURCE: Ref. zh. Fizika, Abs. 7A254

160

REF SOURCE: Tr. t-y nauchno-tekhn. konferentsii po yadern. radioelektron. T. 3. Ch. 1. M., Atomizdat, 1965, 110-136

TOPIC TAGS: memory core, computer storage device, logic element, information assembly, information processing

ABSTRACT: The operational principle and basic equipment of a centralized system for the assembly and processing of information are described in detail. The system consists of a memory core device, a control device, several input arrangements, an output arrangement and extension testing panels. The technical characteristics of the system are as follows: 2048 channels; channel volume, 2^{16} ; there are 8 input devices; interrogation period, 5 μ sec; registration time of the number,

Card 1/2

L 09387-67

ACC NR: AR6033766

82 μ sec; maximum registration frequency, 12,000 pulses/sec; data output speed with digital printout, 20 lines per sec; and the output speed on the perforator, 20 octal signs per second. The possibility of multi-dimensional measurements is foreseen. The design is of block type, with easily interchangeable parts. Logic elements are made with semiconductor devices. [Translation of abstract]

SUB CODE: 09, 12/

Card 2/2 mls

IVANOV, M.M. (Leningrad)

Application of high-speed photography for studying the dynamics
of thread movement in high-speed sewing machines. Sluveln.prom.
no.2:18-20 Mr-Ap '65. (MIRA 18:6)

USSR/Farm Animals. - Small Horned Stock

Q-3

Abs Jour : Ref Zhur - Biol., No 6, 1958, No 26164

Author : ~~Ivanov H.O.~~

Inst : Not Given

Title : The Romanov Sheep in the Leningrad Oblast' (From the Experience of the Work of Sheepbreeding Farm of the kolkhoz imeni Lenin of the Kingissep Rayon) (Romanovskiye ovtsy v Leningradskoy oblasti (Iz opyta raboty ovtsovodcheskoy formy kolkhoza im. Lenina, Kingissepskogo rayona))

Orig Pub : Ovtsovodstvo, 1957, No 6, 29-32

Abstract : No abstract

Card : 1/1

IVANOV, H.P.; SHESIOFAL, V.M.; MARIYENBAKH, L.M.; DUBININ, H.P.

The 31st International Congress of Foundrymen. Lit. proizv.
no.2:1-2 F '65. (MIRA 18:6)

EVANDV, N.P., kand. tekhn. nauk

Effect of the fluctuations of linear shrinkage on the dimensional
accuracy of iron castings. Lit. proizv. no. 7333-35 51 '65.
(MIRA 18:8)

IVANOV, M. P.

23140 O Printsipakh ratsional'nogo proyektirovaniya metallicheskogo karkasa glavnogo zdaniya teplovykh elektrostantsiy (no povodu stat'n L. M. Sudiloyetskogo Printsipy ratsional'nogo proyektirovaniya metallicheskogo karkasa glavnogo zdaniya teplovykh elektrostantsiy v zhurn. Elektr. Stantsii, 1948, No. 9). - avt. V. K. Ivanov, M. P. Ivanov, V. I. Krasikov (1 Dr) elektr. stantsii, 1949, No. 7, c. 23-24.

SO: LETOPIS' NO. 31, 1949

IVANOV, M.P.

Second conference of foundry workers in the German Democratic
Republic and foundry technology in certain East German plants.
Lit.proizv.no.1:28-32 Ja '57. (MIRA 10:3)
(Germany, East--Founding)

LYANOV, P. I.

ЧАСТЬ I ДОКЛ. ЭКСПОЗИЦИИ 80В/530В

Соросеchnиdye по теорид литеpнпн протеснов. 54н, 1959
Тесновт' олыведк; тудр тесосеchnиdнн (Accuracy of Casting); Трэнс-
слудне of the Pдтн Conference on the Theory of Founding Process-
es) Moscow, Mashin, 1950. 200 p. 3,500 copies printed.

Спонсоринг Агенци: Академидн наук СССР. Институт машиностроченидн.
Комитет по технологиди машиностроченидн.
Ed. (Title page): B. B. Guliyev, Doctor of Technical Science.
Professori Ed. of Publishing House: G. N. Sobolova, Techn. Ed.:
A. Y. Dvornik; Publishing Ed. for literature on hot-processed
Metals: S. Ia. Golovin, Engineer.

ПУМПОС: This book is intended for scientific and technical person-
nel at scientific research institutes, factories, and schools of
higher education.

ОТЗНАКИ: The book contains 19 reports read at a conference on the
accuracy of casting. The conference was organized by the
Committee on Processing in Machining Building and sponsored by the
Institute of Machinebuilding of the USSR (Institute for the Science of
Machines of the Academy of Sciences USSR). The reports, pro-
duced by leading specialists, science workers and production
personnel, discuss the present state of the practice of the accu-
racy of casting and methods of solving the problems involved.
There are 59 references, mostly Soviet.

Тесоренков, I. P. [Candidate of Technical Sciences]. System
of Allowances for the Machining of Castings. 54

Космополдн, Ye. G. [Candidate of Technical Sciences]. Di-
mensional Tolerances of Cast Parts. 62

Лазорнов, S. A. [Candidate of Technical Sciences]. Tolerances
of Coniferous-Alloy Castings Made by Various Methods. 67

Теснов, M. P. [Engineer]. Investigating the Effect of
Variation in the Chemical Composition of Cast Iron on Shrink-
age and Dimensional Accuracy of Castings.
The work was carried out under the general supervision of
P. P. Berys. 80

Никольский, O. R. [Engineer]. Classification, Conventional
Symbols, and Methods of Determining the Roughness of Cast
Surfaces. 87

Тасковид, V. O. [Candidate of Technical Sciences]. Con-
ditions for Increasing the Accuracy of Castings Obtained
in Sand Molds.
The experimental part of the work was carried out under
the supervision and direct participation of Engineer
Z. I. Rudantsava. 99

Card 4/7

IVANOV, Mikhail Petrovich; CHERNOV, Ye., red.; YAKOVLEVA, Ye., tekhn.red.

[Plants without shops] Zavody bez tsekhov. Moskva, Mosk.rabochii,
1959. 52 p. (MIRA 12:10)

1. Chlen soveta narodnogo khozyaystva Moskovskogo oblastnogo
ekonomicheskogo rayona (for Ivanov).
(Moscow Province--Industrial organization)

Ivanov, M. P.

3-58-2-6/33

AUTHOR: Ivanov, M.P., Member of the Moscow Oblast' Council of National Economy

TITLE: The Sovnarkhoz Expects Much From the Scientists (Sovnarkhoz zhdet mnogogo ot uchenykh)

PERIODICAL: Vestnik Vysshey Shkoly, 1958, # 2, pp 28-31 (USSR)

ABSTRACT: The article deals with the question of developing liaison and cooperation between higher schools and industry, as scientific-research work is being conducted not only by the higher educational institutions and special research institutes but also by the industrial enterprises. Examples of such co-operation, successful as well as unsuccessful, are listed in the article.

One of the most active forms of contact between vuz scientists and industry is their participation in the work of the Tekhniko-ekonomicheskii sovet (Technical Economical Council) of the Sovnarkhoz. At present, 96 higher school specialists are working there. It is recommended that vuz instructors also cooperate with the production-technical councils of industrial enterprises.

Card 1/3

Professors V.V. Uvarov of the Moscow Higher Technical School

The Sovnarkhoz Expects Much From the Scientists

3-58-2-6/33

imeni Bauman, B.S. Balakshin, Moskovskiy stanko-instrumental'-nyy institut (Moscow Machine Tool and Instrument Institute), and others, have suggested that scientific-research work at industrial enterprises be expanded, and that higher-school scientists be invited to participate. Vuzes should organize a variety of courses and seminars for technicians. In 1957, over 10,000 engineers and technicians attended such courses, and in 1958 this number will be raised. Technical lectures and scientific-technical conferences are mentioned as a further means to this end.

The author then speaks of several problems such as: The overloading of enterprises with students on practical training, the laxity of the vuz chairs in furnishing proper plans for the practical training, the desirability of having every institute, a group of institutes, attached to a certain industrial enterprise, the overproduction of one type of specialist and the lack of other types.

In conclusion, the author states that the personnel demands of the economic districts will be increasingly covered by the graduates of local vuz's. This will require a still-closer contact between the higher educational institutions and the

Card 2/3

The Sovnarkhoz Expects Much From the Scientists

3-58-2-6/33

industrial enterprises of the respective district.

ASSOCIATION: Moskovskiy oblastnoy sovet narodnogo khozyaystva (Moscow Oblast' Council of National Economy)

AVAILABLE: Library of Congress

Card 3/3

IVANOV, M.P.

24(7) PRAISE I BOOK EXPLOITATION 307/1700

L'vov, Universitet

Materialy I Vsesoyuznogo soveshchaniya po spektroskopii, 1956. 8. XII Aktsionnaya spektroskopiya (Materials of the 10th All-Union Conference on Spectroscopy, 1956. Vol 2: Atomic Spectroscopy) L'vov, I'd-vo L'vovskogo univ., 1958. 568 p. (Series: Its; Fizicheskii sbornik, vyp. 4(9)) 3,000 copies printed.

Additional Sponsoring Agency: Akademiya nauk SSSR, Komissiya po spektroskopii.

Mitribial Board: G.S. Landsberg, Academician, (Resp. Ed.); B.S. Rapoport, Doctor of Physical and Mathematical Sciences; L.L. Zaslavskiy, Doctor of Physical and Mathematical Sciences; V.G. Koritskiy, Doctor of Physical and Mathematical Sciences; V.G. Koritskiy, Candidate of Technical Sciences; S.M. Rayzkiy, Candidate of Physical and Technical Sciences; L.K. Klimovskaya, Candidate of Physical and Mathematical Sciences; V.S. Millyanchuk (Deceased), Doctor of Physical and Mathematical Sciences; A.Ye. Ginzburman, Doctor of Physical and Mathematical Sciences; Ed. S. S.L. Gizer; Tech. Ed.: T.V. Saranyuk.

FOCUS: This book is intended for scientists and researchers in the field of spectroscopy, as well as for technical personnel using spectrum analysis in various industries.

COVERAGE: This volume contains 177 scientific and technical studies of atomic spectroscopy presented at the 10th All-Union Conference on Spectroscopy in 1956. The studies were carried out by members of scientific and technical institutes and include extensive bibliographies of Soviet and foreign literature. The studies cover many fields of physicochemical methods for controlling uranium production, physics and technology of gas discharge, optics and spectroscopy, abnormal dispersion in metal vapors, spectroscopy and the combustion theory, spectrum analysis of ores and minerals, photographic methods for quantitative spectrum analysis of metals and alloys, spectral determination of the hydrogen content of metals by means of isotopes, tables, and atlases of spectral lines, spark spectrographic analysis, statistical study of variation in the parameters of calibration curves, determination of traces of metals, spectrum analysis in metallurgy, thermochemistry in metallurgy, and principles and practice of spectrochemical analysis.

Card 2/31

Materials of the 10th All-Union Conference (Cont.)	307/1700
Rusanov, A.K., and V. G. Khlitov. Spectral Analysis of Ores by Blowing Powder Samples Into the Arc Discharge	102
Kedler, V.V., and A.A. Frishberg. Reasons for Reproducibility Improvement in Spectrum Analysis by the Spilling Method	105
Ivanov, M.P. Spectral Determination of the Uranium Content of Ores and Intermediate Products by the Isotope Addition Method	109
Prokof'yev, V.K., and Morozhina, E.M. Direct Spectral Determination of Small Quantities of Uranium and Vanadium in Natural Samples	112
Prokof'yev, V.K., T.M. Morozhina, and I.V. Rydanova. Spectrochemical Analysis of Rare Elements in Complex Solutions by Ion-exchange Adsorption	112
Morozhina, E.M., and M.M. Kler. Quantitative Spectral Determination of the Rb and Cs Content of Rocks and Minerals by the Additive Method	115

Card 8/31

IVANOV, M.P.

Using cathode ray oscillographs for checking seismic station
detectors. Razved. i prom. geofiz. no.21:43-49 '58. (MIRA 11:10)
(Cathoda ray oscillograph)

3(7)

SOV/50-59-2-15/25

AUTHOR:

Ivanov, M. P.

TITLE:

Use of Windmill Generators in Meteorological Stations
(Ispol'zovaniye vetroelektricheskikh agregatov na meteorologicheskikh stantsiyakh)

PERIODICAL:

Meteorologiya i gidrologiya, 1959, Nr 2, pp 52 - 53 (USSR)

ABSTRACT:

The meteorological stations of the USSR tend to make use increasingly of windmill generators. In most areas of the country the wind situation is such as to permit the operation of such apparatus for 40% of the year. At present windmill generators VD-3.5 and VDU-3.5 are used. The unit is mounted on a pylon of 7-8 m height which must be absolutely vertical. The application of frostresistant oils for the gears is very important in winter. During calms the unit is fitted with alkali accumulators of the types 5NKN-100 or 5NZhN-100. In the last few years the windmill generator BE-2 has been used more and more, offering a better protection against storms. The propeller is mounted directly on the generator shaft. This unit is automatically switched on and, if the wind force is sufficient, it produces the power required. At

Card 1/2